

PABLO ANDRES NEPOMNASCHY, PhD
CURRICULUM VITAE

Epidemiology Branch
National Institute of Environmental Health Sciences
111 TW Alexander Dr., PO Box 12233, MD A3-05
Research Triangle Park, NC 27709
(919) 541-7812
nepomnaschyp@niehs.nih.gov

AREAS OF SPECIALIZATION AND INTEREST

Ecological perspectives on human reproduction, growth, and development. Effect of environmental and social exposures on human reproduction. Human variation in response to social and ecological stressors. Physiological effects of stress on female reproduction, fetal adaptations to maternal stress and effects of prenatal stress on human development and growth. Environmental toxicants.

EDUCATION

Doctor of Philosophy Graduated: 2005	The University of Michigan - Ann Arbor, MI Anthropology and School of Natural Resources and Environment
Master of Arts Graduated: 1998	The University of Michigan - Ann Arbor, MI Anthropology
Licenciado Degree Graduated: 1994	Universidad Nacional de la Patagonia S.J.B, Argentina Biology

PROFESSIONAL POSITIONS

Research Experience

2005 – Present	National Institute of Environmental Health Sciences, NIH Research Fellow, Epidemiology Branch, Research Triangle Park, NC
2003 – 2005	International Max Planck Research School Fellow at the “Life Course: Evolutionary and Ontogenetic Dynamics (LIFE Program)”, University of Michigan and Max Planck Institute for Human Development, Berlin, Germany
2002 – 2005 2002 - 2005 2001	The University of Michigan Reproductive Sciences Program, Trainee CLASS Laboratory Research Assistant Department of Pathology, Research Assistant

1994 - 1996	Universidad Nacional de la Patagonia S.J.B. Biology Department, Research Fellow
1988 – 1994	Centro Nacional Patagonico, Chubut, Argentina Marina Mammals Laboratory, Research Assistant
1990 – 1991	Fundacion Patagonia Natural, Chubut, Argentina Media coordinator for a radio and TV flora and fauna conservation campaign

AWARDS AND ACADEMIC HONORS

2005	Distinguished Dissertation Award Horace H. Rackham School of Graduate Studies, The University of Michigan
2002	The Buffalo Award for Science and Nature School of Nat. Res. & Environment, The University of Michigan
1999	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan
1998	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan
1997	Academic Merit Award. School of Nat. Res. & Environment, The University of Michigan
1994	Outstanding Licenciado Thesis Mention. Biology Department, Universidad Nacional de la Patagonia S.J.B, Argentina

Fellowships, Scholarships, and Grants

2005	Pre-Doctoral Fellowship Rackham Graduate School, The University of Michigan
2003-2005	International Max Planck Research School Fellowship The University of Michigan and Max Planck Institute for Human Development, Berlin, Germany
2003	Special One-Term Fellowship Rackham Graduate School, The University of Michigan
2002	Founders Pre Doctoral Fellowship Institute for Social Research, The University of Michigan
2001	Fieldwork Grant Department of Anthropology, The University of Michigan
1999	Spring/Summer Research Grant Program (with Dr. Bobbi Low). Rackham Graduate School, The University of Michigan

- 1999 **Preliminary Field Research Grant**
Latin American and Caribbean Studies, The University of Michigan
- 1999 **Margaret-Wray French Pre-dissertation Field Work Grant**
Department of Anthropology, The University of Michigan
- 1997 – 2002 **Discretionary Funds** (yearly awarded – applied towards pre-doctoral research).
Rackham Graduate School, The University of Michigan
- 1999 **Gerald H. Johnson Internship Grant**
School of Nat. Res. & Environment, The University of Michigan
- 1997 **Aluan Macauley Scholarship**
School of Nat. Res. & Environment, The University of Michigan
- 1998 - 2003 **Pre-Doctoral Research Grant** (yearly awarded).
School of Nat. Res. & Environment, The University of Michigan
- 1987 - 1993 **Academic Merit Scholarship** (yearly awarded).
Universidad Nacional de la Patagonia S.J.B., Argentina

COMMUNICATIONS

Publications

- Nepomnaschy** PA, McConnell D, Welch K, Strassmann BI, Low BS, and England BG.(2006) *Cortisol levels and very early pregnancy loss in humans*. PNAS 103(10): 3938-3942.
- Nepomnaschy** PA. (2005) *Stress and Female Reproduction in a Rural Mayan Population*. Doctoral Thesis, The University of Michigan.
- Nepomnaschy** PA, McConnell D, Welch K, Strassmann BI and England BG. (2004) *Stress and Female Reproductive Function: A study of daily variations in cortisol, gonadotrophins, and gonadal steroids in a Rural Mayan Population*. Amer J of Hum Biol 16:533-543
- Nepomnaschy** PA. (1996) *The distribution of economic resources and its effects on the marriage practices among the Tehuelches*. Informe Final Beca de Iniciacion a la Investigación, UNPSJB Biblioteca de la Facultad de Ciencias Naturales. Pto. Madryn, Argentina.
- Nepomnaschy** PA. (1994) *Harem Structure of Southern Elephant Seals (*Mirounga leonina*). Its relationship with Aspects of Individual Social Behavior*. Seminario de Licenciatura en Ciencias Biologicas, UNP Fac. Cs. Nat. Pto. Madryn, Argentina.

Manuscripts Submitted or in Preparation

- Nepomnaschy** PA, Baird DD, Weinberg CR, Wilcox AJ *Urinary hCG secretion patterns in the first week post fertilization*.

Nepomnaschy PA, Hazel A, Low BS. *Fetal loss patterns among primates.*

Nepomnaschy PA, McConnell D, Welch K, Low BS, and England BG. *Women's daily concerns as predictors of urinary cortisol levels in a rural Mayan population.*

Nepomnaschy PA, McConnell D, Welch K, and England BG. *Adrenal Function and women's reproductive status.*

Papers Presented at Scientific Meetings

Nepomnaschy PA (2006) *Cortisol levels and very early pregnancy loss.* 7th Annual Women's Health Research. University of North Carolina, Chapel Hill, North Carolina.

Nepomnaschy PA, (2005) *The effects of social and environmental Stressors on women's reproductive Function-* LIFE Academy, Max Planck Institute – Berlin, Germany.

Nepomnaschy PA, Welch K, McConnell D, Low BS, Barry England BG. (2005) *Stress and Female Reproduction: Daily Stressors, Cortisol Levels, the Menstrual Cycle, and Early Pregnancy.* Annual Meeting of the Human Biology Association - Milwaukee, Wisconsin USA.

Nepomnaschy PA, and England BG. (2004) *Reproductive suppression: The critical process of implantation.* LIFE Academy, The University of Michigan, Ann Arbor, Michigan.

Nepomnaschy PA, and England BG. (2004) *Reproductive suppression: The critical process of implantation.* 73rd Annual Meeting, American Association of Physical Anthropologists, Tampa, Florida USA.

Nepomnaschy PA, Strassmann BI and England BG. (2003) *Psychosocial Stress and Female Reproductive Function in a Rural Mayan Community.* American Anthropological Association, 102nd Annual Meeting, Chicago, Illinois USA.

Nepomnaschy PA, McConnell D, Welch K, Strassmann BI, and England BG. (2003) *Daily Stress and Female Reproductive Function in a Mayan Population.* Third Biennial Meeting, Society for the Study of Human Development, Cambridge, Massachusetts USA.

Nepomnaschy PA. (2003) *Stress and Reproduction in a Subsistence Population in Rural Guatemala.* LIFE Academy, Max Planck Institute, Berlin, Germany.

Nepomnaschy PA, McConnell D, Welch K, Strassmann BI and England BG (2003) *Adrenal and Reproductive Hormone Changes in Parous Mayan Women in Rural Guatemala.* Annual Meeting of the Human Biology Association, Tempe, Arizona USA.

Nepomnaschy PA, McConnell D, Welch K, Strassmann BI and England BG (2003) *Adrenal and Reproductive Hormone Changes in Parous Mayan Women in Rural Guatemala.* Anita Payne Lectureship and Poster Day. Reproductive Sciences Program & Department of Obstetrics and Gynecology. The University of Michigan, Ann Arbor, Michigan.

Nepomnaschy P. (1996) *Did the Economic Environment of the Patagonian Tehuelche Tribe (XVI to XIX Centuries) Have an Effect on their Marriage System?* Human Behavior and Evolution society, Eighth Annual Meeting. Northwestern University, Illinois, USA.

Capozzo L.; Batalles M.; Gutierrez S.; Alvarez L.; **Nepomnaschy P.**; Campagna C. (1992) *Arctocephalus Australis*. *Do Females Prefer Them Strong?* Fifth meeting of Specialists in South American Aquatic Mammals. Buenos Aires, Argentina.

Nepomnaschy P.; Gonzales A.; Musmeci J.; Quintana F. (1991) *Radio Program: Patagonia al Natural* - Regional Conferences on Environment. Universidad Nacional de la Patagonia, Trelew, Argentina.

Dans S.; Crespo E.; Garcia N.; Reyes L.; **Nepomnaschy P.**, Koen M. (1991) *Biology and Ecology of the Dusky Dolphin (*Lagenorhynchus obscurus*) along the Patagonic Coast. Preliminary notes*. National Conferences on Marine Sciences. Centro Nacional Patagonico & Universidad Nacional de la Patagonia. Puerto Madryn, Argentina.

Crespo E.; **Nepomnaschy P.**; Koen M.; Garcia N. (1990) *Preliminary Study of Marine Mammals Diet through Stomach Content and Faeces Analysis*. Fourth Meeting of Specialists in South American Aquatic Mammals. Valdivia, Chile.

Invited Presentations

Nepomnaschy PA. (2005) *Estrés y Función Reproductiva Femenina: Una Perspectiva Evolutiva*. Univesidad Nacional de la Patagonia San Juan Bosco, Chubut, Argentina.

Nepomnaschy PA. (2004) *Stress and female reproductive: Daily variations in urinary cortisol and its association with ovarian function and early pregnancy*. University of Trier, School of Psychobiology, Trier, Germany.

Nepomnaschy PA (2004) *Stress and reproductive suppression: The critical first three weeks of gestation*. Reproductive Sciences Research Seminars, The University of Michigan, Ann Arbor, Michigan.

Nepomnaschy PA (2003) *Adrenal and Ovarian Function in Mayan Women in Rural Guatemala*. Reproductive Sciences Research Seminars, The University of Michigan, Ann Arbor, Michigan.

Popular Press (Selected pieces)

“Stressed mothers may risk early miscarriage” (A. Motluk) *New Scientist* February 20, 2006
<http://www.newscientist.com/channel/health/mg18925405.300>

“Stressed women prone to early miscarriages” *United Press International* February 20, 2006.
<http://www.upi.com/NewsTrack/view.php?StoryID=20060220-055626-1640r>

“Mother's Stress Could Contribute to Early Miscarriage” (Neil Osterweil, Reviewed by Zalman S. Agus) *MedPage* February 22, 2006
<http://www.medpagetoday.com/OBGYN/Pregnancy/tb/2730>

Teaching Experience

	Anthropology Department, The University of Michigan
2000	Primatology, Graduate Student Instructor.
1999	Biology, Society and Culture, Graduate Student Instructor.
1998	Biological Anthropology, Graduate Student Instructor.
1996	Biological Anthropology, Graduate Student Instructor.

Biology Department, The University of Michigan

1998 Evolution and Human Behavior, Graduate Student Instructor.

1997 **Psychology Department, The University of Michigan**
Bio-Psychology, Graduate Student Instructor.

1997 **School of Nat. Res. & Environment, The University of Michigan**
Wildlife Behavioral Ecology, Graduate Student Instructor.

1996

1995 **Biology Department, Universidad Nacional de la Patagonia S.J.B, Argentina**
Evolution and Genetics, Graduate Student Instructor

1992-1994 Introduction to Philosophy of Science, Graduate Student Instructor
Introduction to Geology, Undergraduate Student Instructor

PROFESSIONAL AND SOCIAL SERVICE

Reviewer for Peer-Reviewed Journals

2006 American Journal of Epidemiology

2004 Animal Behavior

Student representative Search Committee for a new faculty hire

2002 Department of Anthropology, The University of Michigan, Ann Arbor, MI.

Creator and promoter of the fund to send a Mayan Kakchiquel woman from Guatemala to Medical School.

2002 – present A project aimed to strengthen the social position of indigenous women, reduce sexism and reduce women's morbidity and mortality. Asociación Amigos de la Escuela, Guatemala.

Co-producer of four TV educational advertisements on the protection of fauna.

1990-1991 Sponsored by the Fundacion Patagonia Natural and the Government of Chubut Province, Argentina.

Co-producer of a series of educational radio programs. Fundacion Patagonia Natural, Argentina.

1989 – 1991

Fauna Conservation Speaker for Elementary Schools in Chubut, Argentina.

1989 – 1990 Volunteer for Fundacion Patagonia Natural.

Professional Association Memberships

American Anthropological Association

American Association of Physical Anthropologists

Human Biology Association

Human Behavior and Evolution Society

Guatemalan Scholars Network